

DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP,
130 Water Street
Boston, Massachusetts 02109

Attorney's Docket No. 56677(70551)

O I P E
J C I Y
APR 11 2002

COPY OF PAPERS Page 1 of 4
ORIGINALLY FILED
03/08/02

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTRONIC COMPONENT AND METHOD AND STRUCTURE FOR MOUNTING

SEMICONDUCTOR DEVICE

which is described and claimed in:

- [] the specification attached hereto.
- [] the specification in U.S. Application Serial Number 10/040,804, filed on November 8, 2001
- [] the specification in PCT international application Number _____
filed on _____; and was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. 119:

Application No.	Filing Date	Country	Priority Claimed Under 35 U.S.C. 119?
2000-339954 (P)	November 8, 2000	Japan	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

- 2 -

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applications or PCT International Applications Designating the U.S. Benefit Under 35 U.S.C. §120				
U.S. Applications			Status (Check One)	
Application Serial No.	U.S. Filing Date		Patented	Pending
PCT Applications Designating the U.S.				
Application No.	Filing Date	U.S. Serial No. Assigned		

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Stewell P. Brandon	(Reg. No. 16,919)	Linda M. Buckley	(Reg. No. 31,003)	David S. Resnick	(Reg. No. 31,733)
David G. Conlin	(Reg. No. 27,026)	Ronald I. Eisenstein	(Reg. No. 30,628)	Peter E. Cortese	(Reg. No. 33,860)
George W. Hauser	(Reg. No. 26,964)	Henry D. Palit, Jr.	(Reg. No. 20,138)		
Ernest V. Illick	(Reg. No. 29,822)	Peter J. Mants	(Reg. No. 26,766)		

- 3 -

SEND CORRESPONDENCE TO:		DIRECT TELEPHONE CALLS TO:	
Dike, Bronstein, Roberts & Cushman, LLP 130 Water Street Boston, Massachusetts 02109		(617) 523-3400	

1 2 3 4 5 6 7	FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	LAST NAME CITY POST OFFICE ADDRESS	FIRST NAME STATE OR FOREIGN COUNTRY CITY	MIDDLE NAME COUNTRY OF CITIZENSHIP STATE OR COUNTRY AND ZIP CODE
	YASUDA	MARIO		
	Kashihara-shi	Nara, Japan		Japan
	#202, Iwaniru II, 36-1, Yamamoto-cho	Kashihara-shi		Nara, Japan

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	SUMIKAWA	MARIO		
	Kashihara-shi	Nara, Japan		Japan
	4-15-10, Imai-cho	Kashihara-shi		Nara, Japan

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I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201		Signature of Inventor 202	
<i>Masato</i>	<i>Yasuda</i>	<i>Masato</i>	<i>Sumikawa</i>
Date:	December 12, 2001	Date:	December 12, 2001

DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
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Boston, Massachusetts 02109

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U.S. PATENT & TRADEMARK OFFICE
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Ernest V. Jack (Reg. No. 29,822)

Linda M. Buckley (Reg. No. 31,003)
Ronald L. Eisenstein (Reg. No. 30,628)
Henry D. Paul, Jr. (Reg. No. 20,138)
Peter J. Manus (Reg. No. 16,705)

Dr. J. S. Resnick (Reg. No. 24,235)
Dr. S. F. Cooley (Reg. No. 31,850)

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	POST OFFICE ADDRESS	#202, Tamiru II, 36-1, Yamamoto-cho	CITY	STATE OR COUNTRY AND ZIP CODE
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	POST OFFICE ADDRESS	4-15-10, Jmai-cho	CITY	STATE OR COUNTRY AND ZIP CODE
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 259 260 261 262 263 264 265 266 267 268 269 269 270 271 272 273 274 275 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U.S. Applications		Status (Check One)		
Application Serial No.	U.S. Filing Date	Patented	Pending	Abandoned
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David G. Conlin (Reg. No. 27,028)
George W. Manner (Reg. No. 24,964)
Frank V. Lick (Reg. No. 29,822)

Linda M. Buckley (Reg. No. 31,003)
Ronald J. Eisenstein (Reg. No. 30,628)
Henry D. Paul, Jr. (Reg. No. 20,438)
Peter J. Manus (Reg. No. 26,766)

David S. Resnick (Reg. No. 34,235)
Peter F. Corless (Reg. No. 33,860)

- 3 -

SEND CORRESPONDENCE TO: Dike, Bronstein, Roberts & Cushman, LLP 130 Water Street Boston, Massachusetts 02109		DIRECT TELEPHONE CALLS TO: (617) 523-3400
--	--	---

1 2 3 4 5	FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	LAST NAME Kashihara-shi POST OFFICE ADDRESS #202, Fumiru JT, 36-1, Yannanobu-cho	FIRST NAME Masao Nara, Japan CITY Kashihara-shi	MIDDLE NAME COUNTRY OF CITIZENSHIP Japan STATE OR COUNTRY AND ZIP CODE Nara, Japan
-----------------------	--	--	---	--

1 2 3 4 5	FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	LAST NAME Kashihara-shi POST OFFICE ADDRESS 4-15-10, Imai-cho	FIRST NAME Masato Nara, Japan CITY Kashihara-shi	MIDDLE NAME COUNTRY OF CITIZENSHIP Japan STATE OR COUNTRY AND ZIP CODE Nara, Japan
-----------------------	--	--	--	--

1 2 3 4 5	FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	LAST NAME CITY POST OFFICE ADDRESS	FIRST NAME STATE OR FOREIGN COUNTRY CITY	MIDDLE NAME COUNTRY OF CITIZENSHIP STATE OR COUNTRY AND ZIP CODE
-----------------------	--	--	--	--

1 2 3 4 5	FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	LAST NAME CITY POST OFFICE ADDRESS	FIRST NAME STATE OR FOREIGN COUNTRY CITY	MIDDLE NAME COUNTRY OF CITIZENSHIP STATE OR COUNTRY AND ZIP CODE
-----------------------	--	--	--	--

- 4 -

1	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

1	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

1	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
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3	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

1	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
2	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
3	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor 201	Signature of Inventor 202
<i>Masao</i>	<i>Yasuda</i>
Date: December 12, 2001	Date: December 12, 2001

FAX/471-1505
(617) 671-1111FAX NO. 6174394170
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masao YASUDA
Masao SUMIKAWAAdditional name(s) of conveying party(ies) attached? [] Yes No

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: December 12, 2001 - Consecutively

2. Name and address of receiving party(ies):

Name: Sharp Kabushiki Kaisha

Internal Address:

Street Address: 22-22, Issyaidai-cho, Atsugi-ku

City: Osaka State: JAPAN Zip: _____

Additional name(s) & address(es) attached? [] yes no

Please see attached.

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/040,804

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter F. Corless
(Reg. No: 33,860)Street Address: Dike, Bronstein, Roberts & Cushman
Intellectual Property Practice Group of
Edwards & Angell, LLP
P. O. Box 9169

City: Boston State: MA Zip: 02209

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 04-1105
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lisa Sylwanc (Fazzard
Name of Person Signing

Signature

February 28, 2001

Date

Total number of pages including cover sheet, attachments, and documents (3)

DMN No. 0651-0011 (exp. 4/94)

United States Patent Rights, or
United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

56677 (70551)

ASSIGNMENT

Application No. 10/040,804November 8,
Filed 2001Insert Name(s)
of Inventor(s)WHEREAS, Masao YASUDA and Masayo SUMIKAWAInsert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in ELECTRONIC COMPONENT AND METHOD AND STRUCTURE FOR MOUNTING SEMICONDUCTOR DEVICE

for which an application for Letters Patent of the United States of America has been exerted by the undersigned.

Insert Date
of Signing of
Applicationon December 12, 2001Insert Name
of AssigneeWHEREAS, Sharp Kabushiki KaishaInsert Address
of Assigneeor 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, JapanCHECK BOX
IF APPROPRIATE

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

→ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

Date _____

Name of Inventor _____

(signature)

FIRMPRO FMS
(Rev. 6/95)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masato YASUDA
Masato SUMIKAWA

2. Name and address of receiving party(ies):

Name: Sharp Kabushiki Kaisha

Internal Address:

Street Address: 22-22, Nagaike-cho, Abenoharu

City: Osaka, State: JAPAN, Zip: 542-0076

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of Conveyance:

 Assignment Merger Security Agreement Change of Name Other:

Execution Date: December 12, 2001, Consecutively

Additional name(s) & address(es) attached? [] yes [X] no
Please see attached.

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/040,804

B. Patent No.(s)

Additional numbers attached? Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter F. Corless
(Reg. No. 33,060)

6. Total number of applications and patents involved. [1]

Street Address: Dike, Bronstein, Roberts & Cushman
Intellectual Property Practice Group of
Edwards & Angell, LLP
P. O. Box 9169

City: Boston State: MA Zip: 02209

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 01-1105

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of
the original documentLisa Swiggett Hazzard
Name of Person Signing

Signature

February 28, 2001

Date

Total number of pages including cover sheet, attachments, and documents [3]

OIMIS No. 00851-0011 (Exp. 4/04)

United States Patent Rights, or
United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

56677(70551)

ASSIGNMENT

Application No. 10/040,804

November 8,
Filed 2001

Insert Name(s) of Inventor(s) **WHEREAS, Masao YASUDA and Masato SUMIKAWA**

Insert Title of Invention **⇒ ELECTRONIC COMPONENT AND METHOD AND STRUCTURE FOR
MOUNTING SEMICONDUCTOR DEVICE**

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date of Signing of Application **⇒ on December 12, 2001** and

Insert Name of Assignee **⇒ WHEREAS, Sharp Kabushiki Kaisha**

Insert Address of Assignee **⇒ of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, Japan**

CHECK BOX IF APPROPRIATE **⇒ its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and**

⇒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

FORM PTO-1254
April 2001U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masao YASUDA
Masato SUMIKAWAAdditional name(s) of conveying party(ies) attached? [] Yes No

2. Name and address of receiving party(ies):

Name: Sharp Kabushiki Kaisha

Internal Address:

Street Address: 22-22, Nagoya-cho, Abeno-ku

City: Osaka State: JAPAN Zip: _____

O I P E J C Y 11
APR 17 2002
T & FILEDAdditional name(s) & address(es) attached? [] yes no
Please see attached.

3. Nature of Conveyance:

 Assignment Merger Security Agreement Change of Name Other:

Execution Date: December 12, 2001 - Consociatively

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s) 10/040,804

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: [1]

Name: Peter F. Corless
(Reg. No: 33,860)Street Address: Dike, Bronstein, Roberts & Cushman
Intellectual Property Practice Group of
Edwards & Angell, LLP
P. O. Box 9169

City: Boston State: MA Zip: 02209

7. Total fee (37 CFR 3.41): \$ 40.00

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Authorized to be charged to deposit account

8. Deposit account number: 04-1105
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of
the original document.Lisa Svaliava Hazard
Name of Person Signing

Signature

February 28, 2001

Date

Total number of pages including cover sheet, attachments, and documents [3]

United States Patent Rights, or
United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

56677 (70551)

ASSIGNMENT

Application No. 10/040,804

November 8,
Filed 2001

Insert Name(s)
of Inventor(s)

WHEREAS, Masao YASUDA and Masato SUMIKAWA

Insert Title
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

⇒ ELECTRONIC COMPONENT AND METHOD AND STRUCTURE FOR
MOUNTING SEMICONDUCTOR DEVICE

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date
of Signing of
Application

⇒ on December 12, 2001

Insert Name
of Assignee

⇒ WHEREAS, Sharp Kabushiki Kaisha

Insert Address
of Assignee

⇒ of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, Japan

CHECK BOX
IF APPROPRIATE

⇒ its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of
acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that
may be granted therefor in the United States of America and

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand
paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned
has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said
Assignee the full and exclusive right to the said invention in the United States of America, its territories,
dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s)
which may be granted therefor in the United States of America, its territories, dependencies and possessions,
and if the box above is designated, in any and all foreign countries;
and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for
which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Rubert & Cushman the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Date <u>December 12, 2001</u>	Name of Inventor <u>Masato Yamada</u>	<u>Yamada</u> (signature) <u>Masato YAMADA</u>
Date <u>December 12, 2001</u>	Name of Inventor <u>Masato Sumikawa</u>	<u>Sumikawa</u> (signature) <u>Masato SUMIKAWA</u>
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____
Date _____	Name of Inventor _____	_____